

Appl. No. 10/605,791
Reply to Office action of February 14, 2008

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Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

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Listing of Claims:

Claim 1 (currently amended): A display panel comprising:

10 a first scanning band, a second scanning band and a third scanning band positioned between the first scanning band and the second scanning band, and each scanning band including a plurality of parallel scanning lines, wherein the scanning lines of the first scanning band and the second scanning band scan along a first scanning direction and a second scanning direction according to a first scanning signal;

15 a plurality of parallel data lines extending across the first scanning band, the second scanning band and the third scanning band, the data lines and the scanning lines being perpendicular to each other, and each of the data lines including a disconnecting point positioned in the third scanning band;

20 a plurality of pixel units, each pixel unit being positioned around an intersection point of one scanning line and one data line and being electrically controlled by both the scanning line and the data line; and

25 a first data driver and a second data driver electrically connected to the data lines for inputting image data into each pixel unit, such that when scanning the first scanning band and the second scanning band simultaneously, the first data driver inputs the corresponding image data into the first scanning band and the second data driver inputs the corresponding image data into the second scanning band, and when the scanning lines of the third scanning band scan in sequence along a third scanning direction according to a second scanning signal, the first data driver and the second data driver input the same image data into each pixel unit positioned in the third scanning band simultaneously.

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Claim 2 (canceled)

5 Claim 3 (previously presented): The display panel of claim 1 further comprising a signal supplier for supplying each pixel unit with the image data.

10 Claim 4 (previously presented): The display panel of claim 1 further comprising a memory for storing the image data supplied by the signal supplier, with the stored image data being further outputted from the memory into the first data driver and the second data driver.

Claim 5 (original): The display panel of claim 4 further comprising a gate driver for applying scanning signals to the scanning lines of each scanning band.

15 Claim 6 (previously presented): The display panel of claim 5, wherein when the first data driver and the second data driver respectively input the image data into each pixel unit positioned in the first scanning band and the second scanning band, the gate driver applies the first scanning signal to the scanning lines of the first scanning band in sequence according to the first scanning direction so as to enable the pixel unit 20 electrically controlled by each scanning line of the first scanning band to accept a corresponding image data, and the first scanning signal is simultaneously applied to the scanning lines of the second scanning band in sequence according to the second scanning direction so as to enable the pixel unit electrically controlled by each scanning line of the second scanning band to accept a corresponding image data.

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Claim 7 (previously presented): The display panel of claim 6 wherein the gate driver applies the second scanning signal to the scanning lines of the third scanning band in sequence according to the third scanning direction.

30 Claim 8 (canceled)

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Claim 9 (original): The display panel of claim 7 wherein the first scanning direction and the second scanning direction are identical.

5 Claim 10 (original): The display panel of claim 9 wherein the third scanning direction and the first scanning direction are identical.

Claim 11 (original): The display panel of claim 9 wherein the third scanning direction and the first scanning direction are opposite.

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Claim 12 (original): The display panel of claim 7 wherein the first scanning direction and the second scanning direction are opposite.

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Claim 13 (original): The display panel of claim 12 wherein the third scanning direction and the first scanning direction are identical.

Claim 14 (original): The display panel of claim 12 wherein the third scanning direction and the first scanning direction are opposite.

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Claim 15 (previously presented): A driving method for a liquid crystal display panel including a first scanning band, a second scanning band, a third scanning band positioned between the first scanning band and the second scanning band, a plurality of scanning lines, a plurality of data lines including a disconnecting point positioned in the third scanning band, a first data driver and a second data driver, and a plurality of pixel units positioned around an intersection point of one scanning line and one data line, comprising the steps of:

scanning the first scanning band and the second scanning band simultaneously according to a first direction and a second direction respectively based on a first scanning signal;

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inputting a corresponding image data from the first data driver into each pixel

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unit positioned in the first scanning band via the data lines;

inputting a corresponding image data from the second data driver into each pixel unit positioned in the second scanning band via the data lines;

scanning the third scanning band in sequence according to a third direction based

5 on a second scanning signal; and

inputting a same image data from the first data driver and second data driver simultaneously into each pixel unit positioned in the third scanning band via data lines.

10 10 Claim 16 (previously presented): The driving method for a liquid crystal display panel of claim 15, further comprising:

applying the first scanning signal to the scanning lines of the first scanning band in sequence according to the first direction to enable the pixel unit electrically controlled by each scanning line of the first scanning band to accept the corresponding

15 15 image data; and

applying the first scanning signal to the scanning lines of the second scanning band in sequence according to the second direction to enable the pixel unit electrically controlled by each scanning line of the second scanning band to accept the corresponding image data.

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Claim 17 (previously presented): The driving method for a liquid crystal display panel of claim 15 wherein the first scanning direction and the second scanning direction are identical.

25 25 Claim 18 (previously presented): The driving method for a liquid crystal display panel of claim 17 wherein the third scanning direction and the first scanning direction are identical.

Claim 19 (previously presented): The driving method for a liquid crystal display panel

30 30 of claim 17 wherein the third scanning direction and the first scanning direction are

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opposite.

Claim 20 (previously presented): The driving method for a liquid crystal display panel of claim 15 wherein the first scanning direction and the second scanning direction are
5 opposite.

Claim 21 (previously presented): The driving method for a liquid crystal display panel of claim 20 wherein the third scanning direction and the first scanning direction are identical.

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Claim 22 (previously presented): The driving method for a liquid crystal display panel of claim 20 wherein the third scanning direction and the first scanning direction are opposite.

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